

IN THE CLAIMS:

Please amend claims 6, 10, 17, 18 and 21 as follows.

1. (Original) A method of communicating data between a Base Station System (BSS) and a Serving GPRS Support Node (SGSN), the method of communicating comprising the steps of:

providing protocol data and associated functions, including encapsulating a data packet with a User Datagram Protocol (UDP) and a Internet Protocol (IP), wherein the UDP comprises a UDP port associated with a Network Service Virtual Connection (NS-VC) and, the IP provides an IP address associated with a Network Service Entity (NSE);
and

transmitting the data packet provided with the protocol data.

2. (Original) The method of communicating as recited in claim 1, wherein the UDP port is identified as either for real-time or non-real time services.

3. (Original) The method of communicating as recited in claim 1, wherein the data packet is associated with a Temporary Logical Link Identifier (TLLI) and a Network Service Access Point Identifier (NSAPI).

4. (Original) The method of communicating as recited in claim 3 further comprising the step of:

providing a BSSGP Virtual Connection Identifier (BVCI), a Network service Entity Identifier (NSEI) and a Link Select Parameter (LSP), the BVCI, NSEI and LSP associated with the TLLI and NSAPI, the BVCI identifying a BVC, the NSEI identifying the NSE, the NS-VC identified by the BVCI and the NSEI, the LSP identifying a Network Service Virtual Link (NS-VL) associated with the NS-VC.

5. (Original) The method of communicating data as recited in claim 1, wherein the data packet comprises a Sub-network Dependent Convergence Protocol (SNDCP).

6. (Currently Amended) The method of communicating data as recited in claim 5, wherein the data packet further comprises a Logical Link Control LLC).

7. (Original) The method of communicating data as recited in claim 6 protocol data and associated functions further comprise:

- a Base Station System GPRS Protocol (BSSGP);

- a network service control;

- a data link layer; and

- a physical link layer.

8. (Original) The method of communicating data as recited in claim 7 further comprising the step of receiving the data packet provided with the protocol data.

9. (Original) The method of communicating data as recited in claim 8 further comprising the step of removing the protocol data and associated functions and the LLC and the SNDCP.

10. (Currently Amended) The method of communicating data as recited in claim 1, wherein the protocol data and associated functions further comprise:

- a Sub-network Dependent Convergence Protocol (SNDCP);

- a Logical Link Control (LLC);

- a Base Station System GPRS Protocol (BSSGP);

- a network service control;

- a data link layer; and

- a physical link layer.

11. (Original) The method of communicating data as recited in claim 10, wherein the SNDCP provides RTP/UDP/IP header compression and stripping.

12. (Original) The method of communicating data as recited in claim 10 further comprising the step of receiving the data packet provided with the protocol data.

13. (Original) The method of communicating data as recited in claim 12 further

comprising the step of:

removing the physical link layer, the data link layer, the IP, the UDP, the network service control and the BSSGP.

14. (Original) A system for communicating data between a mobile communications architecture and a GPRS architecture, the system comprising:

a Base Station System (BSS) having a first BSSGP Virtual Connection (BVC) and a first at least one Network Service Virtual Connection (NS-VC) associated with the first BVC;

a Serving GPRS Support Node (SGSN) coupled to the BSS, the SGSN having a second BVC, the SGSN having a second at least one NS-VC associated with the second BVC, wherein the BSS transmits data between the first BVC and the second BVC over the first at least one NS-VC, the data encapsulated with protocol data and associated functions, the protocol data and associated functions including a UDP and IP, the UDP provides a UDP port associated with a NS-VC of the first and second at least one NS-VC, the IP provides an IP address identifying a Network Service Entity (NSE) associated with the first and second BVC, the SGSN receives the data over the second at least one NS-VC.

15. (Original) The system as recited in claim 14, wherein the UDP port associated with the NS-VC further comprises the UDP ports identified as either for real time or non-

real time services.

16. (Original) The system as recited in claim 14, where the data comprises information encapsulated with a Sub-network Dependent Convergence Protocol (SNDCP) and a Logical Link Control (LLC).

17. (Currently Amended) The system as recited in claim 14, wherein the protocol data and associated functions further comprises;

- a Base Station System GPRS Protocol (BSSGP);

- a network service control;

- a data link layer; and

- a physical link layer.

18. (Currently Amended) The system as recited in claim 17, wherein the SGSN upon receiving the data encapsulated with protocol data and associated functions removes the encapsulated protocol data and associated functions and the SNDCP and the LLC.

19. (Original) A system for communicating data between a mobile communications architecture and a GPRS architecture, the system comprising:

- a Base Station System (BSS) having a first BSSGP Virtual Connection (BVC) and a first at least one Network Service Virtual Connection (NS-VC) associated with the

BVC;

a Serving GPRS Support Node (SGSN) coupled to the BSS, the SGSN having a second BVC, the SGSN having a second at least one NS-VC associated with the second BVC, wherein the SGSN transmits data between the first BVC and the second BVC over the second at least one NS-VC, the data encapsulated with protocol data and associated functions, the protocol data and associated functions include a UDP and IP, the UDP provides a UDP port associated with a NS-VC of the first and second at least one NS-VC, the IP provides an IP address identifying a Network Service Entity (NSE) associated with the first and second BVC, and the BSS receives the data over the first NS-VC.

20. (Original) The system as recited in claim 19, wherein the UDP port associated with the NS-VC further comprises the UDP ports identified as either for real time or non-real time services.

21. (Currently Amended) The system as recited in claim 19, wherein the protocol data and associated functions further comprises:

a Sub-network Dependent Convergence Protocol (SNDTCP);

a Logical Link Control (LLC);

a Base Station System GPRS Protocol (BSSGP);

a network service control;

a data link layer; and

a physical link layer.

22. (Original) The system as recited in claim 21, wherein the SNDCP provides RTP/UDP/IP header compression and stripping.

23. (Original) The system as recited in claim 21, wherein the BSS upon receiving the data encapsulated with protocol data and associated functions removes the physical link layer, the data link layer, the IP, the UDP, the network service control and the BSSGP.

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